TSMC-00-251

ABSTRACT

A new data processing and display method for use in interactive manufacturing process management is achieved. A first variable value, such as WIP, for a manufacturing stage is uploaded from a database. The first variable value is subtracted from a first target value to obtain a first variable variance. A first variable variance bar is displayed above a stage axis on a graphical display device. The first variable variance bar is non-filled if the first variable variance is positive and is filled if the first variable variance is negative. A second variable value, such as production moves, is uploaded for the manufacturing stage from the database. The second variable value is subtracted from a second target value to obtain a second variable variance. A second variable value bar is displayed below the stage axis on the graphical display device. The second variable value bar is non-filled. A second variable variance bar is displayed below the second variable value bar on the graphical display device if the second variable variance is positive. The second variable variance bar is filled. A new data processing and display apparatus for use in interactive manufacturing process management is also achieved.

28